

IN THE CLAIMS:

1. (previously presented) A method of enriching a population of cells in those cells which produce an antibody that recognises an antigen of interest, comprising:
  - a) bringing said population into contact with an antibody that recognises a marker which is essentially unique to those cells present in the population which are capable of producing an antibody, said marker being predominantly present on those cells capable of producing antibody compared to other cell types, said antibody being attached to a first fluorescent label;
  - b) bringing said population into contact with the antigen of interest wherein said antigen is untagged;
  - c) bringing said population into contact with a sample comprising a polyclonal ~~an~~ antibody that recognises said antigen, said polyclonal antibody being attached to a second fluorescent label; and
  - d) separating from the population those cells which are detectable by virtue of being associated with the first and second fluorescent labelswherein parts a) and b), or a) and c), or b) and c), are performed simultaneously and optionally comprise at least one wash step.
2. (cancelled)
3. (previously presented) The method of claim 1, wherein parts a) and c) are performed simultaneously and optionally comprise at least one wash step.
4. (cancelled)
5. (cancelled)

6. (previously presented) The method of claim 1, wherein the separation of the cells producing an antibody that recognises the antigen of interest is performed using fluorescence activated cell sorting.

7. (cancelled)

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (cancelled)

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (previously presented) The method of claim 3 wherein part b) is performed before parts a) and c).

22. (previously presented) The method of claim 21 wherein part b) is followed by a wash step.